



## FIG. 3

71 APPLICATION REQUIREMENT  
TABLE

711 APPLICATION TYPE	712 713 NECESSARY PERFORMANCE			714 715 716 COEFFICIENT OF EVALUATION FUNCTION		717 718 IOPS
	RAID LEVEL	WRITE PERFOR- MANCE	READ PERFOR- MANCE	WRITE PERFORMANCE VALUE	READ PERFORMANCE VALUE	
721 (DEFAULT)	*	*	*	1.0	1.0	20
722 WEB CONTENTS	*	*	2200	1.0	2.0	50
723 IMAGE FILE	RAID5	*	2200	0.5	4.0	40
724 DBMS MANAGEMENT AREA	RAID1	1500	2000	1.0	1.0	80
∴	∴	∴	∴	∴	∴	∴

73 PERFORMANCE  
TABLE

FIG. 4

731	732	733	734	735	736	737
TYPE NAME	DRIVE TYPE	RAID LEVEL	DRIVE CONFIGURATION	WRITE PERFORMANCE	READ PERFORMANCE	IOPS
741 RAID400	36GB	RAID1	1D+1P	2000	2000	80
742 RAID400	18GB	RAID5	3D+1P	1500	2400	20
743 DF500	18GB	RAID5	3D+1P	1200	2200	15
744 DF500	9GB	RAID5	7D+1P	1400	2500	14
⋮	⋮	⋮	⋮	⋮	⋮	⋮

75 RELIABILITY TABLE

FIG.5

	751	752	753	754
	TYPE NAME	RAID LEVEL	DRIVE CONFIGURATION	RELIABILITY
755	*	RAID1	1D+1P	8
756	RAID400	RAID5	3D+1P	6
757	DF500	RAID5	3D+1P	5
758	*	RAID5	7D+1P	3
759	*	RAID0	*	1
	∴	∴	∴	∴

76 TOTAL VOLUME TABLE F I G . 6

761 VOLUME ID	762 TYPE NAME	763 DRIVE TYPE	764 RAID LEVEL	765 DRIVE CONFIGURATION	766 ALLOCATED STATE
771 R40.1.1	RAID400	36GB	RAID1	1D+1P	UNALLOCATED
772 R40.1.21	RAID400	18GB	RAID5	3D+1P	UNALLOCATED
773 R50.7.1	DF500	18GB	RAID5	3D+1P	ALLOCATED
774 R50.7.31	DF500	9GB	RAID5	7D+1P	UNALLOCATED
⋮	⋮	⋮	⋮	⋮	⋮

78 VOLUME TABLE (PER APPLICATION)

FIG. 7

781	782	783	784	785
APPLICATION TYPE	VOLUME ID	PERFORMANCE LEVEL	RELIABILITY LEVEL	ALLOCATED STATE
786	IMAGE FILE	R40.1.21	11150	6
787	IMAGE FILE	R50.7.1	10000	5
788	IMAGE FILE	R50.7.31	11260	3
:	:	:	:	:
:	:	:	:	:

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## FIG. 8

